

Jc872 U.S. PTO  
09/994719  
11/28/01

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

KUROSAWA, Miki, et al.

Divisional of  
Appln. No. 09/549,498

Prior Group Art Unit: 1725

Confirmation No.: Not Yet Assigned

Prior Examiner: S. Heinrich

Filed: Concurrently Herewith

For: LASER BEAM MACHINING METHOD FOR WIRING BOARD, LASER BEAM MACHINING APPARATUS FOR WIRING BOARD, AND CARBONIC ACID GAS LASER OSCILLATOR FOR MACHINING WIRING BOARD

INFORMATION DISCLOSURE STATEMENT  
UNDER 37 CFR §§ 1.97 and 1.98Commissioner for Patents  
Washington, D.C. 20231

Sir:

In accordance with the duty of disclosure under 37 CFR §1.56, Applicant hereby notifies the U.S. Patent and Trademark Office of the documents which are listed on the attached PTO-1449 form which are all the references of record in parent application No. 09/549,498. Applicant is not submitting duplicate copies of these references but requests that they be listed on the face of any patent granted on the above application. (See 37 CFR §1.98(d)). Copies of any cited copending applications, if not previously submitted, are being submitted herewith.

The submission of the listed documents is not intended as an admission that any such document constitutes prior art against the claims of the present application. Applicant does not waive any right to take any action that would be appropriate to antedate or otherwise remove any listed document as a competent reference against the claims of the present application.

Respectfully submitted,



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Q67200Serial No.: Divisional of US  
09/549,498

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Jc 872 U.S. PTO  
09/9719  
11/28/01INFORMATION DISCLOSURE STATEMENT  
(Use several sheets if necessary)

Applicant: KUROSAWA, Miki, et al.

Filing Date:  
Concurrently Herewith

Group:

## U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Sub-Class	Filing Date (if appropriate)
	4,248,369	2/1981	Clausen	219	121.85	
	4,701,591	10/1987	Masaki et al.	219	121.77	
	5,037,183	8/1991	Gagosz et al.	219	121.7X	
	5,168,454	12/1992	LaPlante et al.	219	121.7X	
	5,293,025	3/1994	Wang	219	121.71	
	5,302,798	4/1994	Inagawa et al.	219	121.7	
	5,378,869	1/1995	Marrs et al.	219	121.71	
	5,593,606	1/1997	Owen et al.	219	121.71	
	4,122,240	10/1978	Banas et al.	219	121.65	
	4,959,119 - 102	9/1990	Lantzer	219	121.69	
	5,235,154	8/1993	Economikos	219	121.69	
	5,294,567	3/1994	Dorfman et al.	219	121.69	
	5,674,414	10/1997	Schweizer	219	121.74	
	5,676,866	10/1997	in den Bäumen et al.	219	121.74	

## FOREIGN PATENT DOCUMENTS

	Document	Date	Country	Class	Sub-class	Translation Yes/No
	JP B 4-3676	1/1992	Japan			Partial
	1,593,268	7/1981	United Kingdom	219	121.77	
	56-4391	1/1981	Japan	219	121.71	
	2-182391	7/1990	Japan	219	121.76	

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)


EXAMINER: DATE CONSIDERED:

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication.